

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		

Bill No. 14 and Final

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190176

Serial No. BR-110/31-514
 Name of work Improvements to Road and drains at Rachenahalli main Road near Thanikandara
 Name of Contractor of nature of Agency K.R.I.D.L Govt School in W.N.O. 6
 Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work code No: 006-14-000052 Work order No: 408/13-14/21.02.2014 Est Amt: 30.00 lakhs. Date of Recording: 4-5-2014 1) Earthwork excavation by manual means by in hard soil involving an average horizontal upto 2m and an average lift upto 0.5m excavated surface leveled and sides etc complete 1st work lot	2 2 2	30.00 30.00 30.00	0.45 0.45 0.45	0.40 0.45 0.45	10.80 12.15 12.15	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		2	30.00	0.45	0.40	10.80	
		2	15.50	0.45	0.45	6.28	
	2nd cross LHS	2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.35	9.45	
		2	15.80	0.45	0.45	6.40	
	3rd cross LHS	2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.45	12.15	
		2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.35	9.45	
		2	16.10	0.45	0.35	5.07	
	4th cross LHS	2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.45	12.15	

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No. B

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Serial No.

Name of work From To

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Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.35	9.18	
		2	15.80	0.45	0.45	6.44	
	3rd cross RHS	2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.40	10.80	
		2	26.50	0.45	0.40	9.54	
	Berm cutting 1st cross LHS	2	30.00	0.75	0.25	14.25	
		2	30.00	0.85	0.25	12.75	
		2	30.00	0.85	0.20	10.20	

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Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2nd cross LHS	2	30.00	0.85	0.25	14.25	
		2	15.50	0.80	0.20	4.80	
		2	30.00	0.80	0.20	9.60	
		2	30.00	0.85	0.20	10.20	
		2	30.00	0.90	0.20	10.80	
		2	30.00	0.80	0.15	7.20	
		2	15.80	0.90	0.20	5.64	
	3rd cross LHS	2	30.00	0.80	0.25	12.00	
		2	30.00	0.85	0.35	19.85	
		2	30.00	0.90	0.30	16.20	
		2	30.00	0.95	0.20	11.40	
		2	16.10	0.95	0.35	10.71	
	4th cross LHS	2	30.00	0.85	0.25	12.75	
		2	30.00	0.90	0.20	10.80	
		2	30.00	0.80	0.25	12.00	
		2	30.00	0.90	0.20	10.80	

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No. B
190178

Serial No.
Name of work From To
Name of Contractor of nature of Agency.....
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Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
	3rd cross RHS	2	15.80	0.80	0.20	5.08	
		2	30.00	1.00	0.20	12.00	
		2	30.00	0.85	0.20	11.40	
		2	30.00	0.85	0.30	15.30	
		2	26.50	0.85	0.25	11.59	
						507.48 cm	
					Qty limited	506.83 cm	
					e	90.72/cm	45,980:cm
	2) Removing 135 slab drain and stacking etc complete						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	1st cross LHS	2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
	2nd cross LHS	2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	25.00	-	1.35	67.50	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
	3rd cross LHS	2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	

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Serial No.

Name of work From To

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
		2	21.20	-	1.35	57.24	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	32.00	-	1.35	86.40	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	7.00	-	1.35	18.90	
						1768.04m	
						1768.50m	
						50.11m	
						88620.20	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	3) Refixing stone slabs & drains and pointing in CMC (1:3) etc complete at wide item No: 62					1768.50 kg e 70.04/Ly 123866.20	
	4) providing granite slabs & selected quality roughly dressed and fixed in Cement mortar (1:6) including fixing curing etc complete 7.5cm thick						
	1st cross LHS	2	18.00	-	1.35	48.60	
		2	12.00	-	1.35	32.40	
	2nd cross LHS	2	20.00	-	1.35	54.00	
		2	19.00	-	1.35	51.30	
	3rd cross LHS	2	18.00	-	1.35	48.60	
		2	16.00	-	1.35	43.20	
						278.10 kg	

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190180

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Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	5) Scarfing existing stone metal layer upto 75mm thick along with their bituminous Surface picking up scarified material and slacking of old serviceable material with lead etc complete					270.00 kg e 343.44/Ly 92729.40	
	1st cross LHS	1	30.00	$\frac{5.2+5.0}{2}$	-	153.00	
		1	30.00	$\frac{5.0+4.9}{2}$	-	148.50	
		1	30.00	$\frac{4.9+5.1}{2}$	-	150.00	
		1	30.00	$\frac{5.1+5.0}{2}$	-	151.50	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2nd cross LHS	1	15.50	$\frac{(5.0+5.2)}{2}$	-	79.05	
		1	30.00	$\frac{(5.1+5.0)}{2}$	-	153.00	
		1	30.00	$\frac{(5.1+5.0)}{2}$	-	151.50	
		1	30.00	$\frac{(5.0+5.0)}{2}$	-	150.00	
		1	30.00	$\frac{(5.0+4.9)}{2}$	-	148.50	
	3rd cross LHS	1	15.80	$\frac{(4.9+5.2)}{2}$	-	79.79	
		1	30.00	$\frac{(5.2+4.9)}{2}$	-	151.50	
		1	30.00	$\frac{(4.9+4.8)}{2}$	-	145.50	
		1	30.00	$\frac{(4.8+5.0)}{2}$	-	147.00	
		1	30.00	$\frac{(5.0+4.8)}{2}$	-	148.50	

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190181

Serial No.

Name of work From To

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
		1	16.10	$\frac{(4.9+5.1)}{2}$	-	80.50	
	4th cross LHS	1	30.00	$\frac{(5.2+5.0)}{2}$	-	153.00	
		1	30.00	$\frac{(5.0+5.5)}{2}$	-	150.00	
		1	30.00	$\frac{(5.5+4.8)}{2}$	-	147.00	
		1	30.00	$\frac{(4.8+4.9)}{2}$	-	145.50	
		1	15.90	$\frac{(4.9+5.2)}{2}$	-	80.30	
	3rd cross RHS	1	30.00	$\frac{(5.1+4.8)}{2}$	-	148.50	
		1	30.00	$\frac{(4.8+5.0)}{2}$	-	147.00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$(5.0+4.9)$	-	148.50	
		1	26.50	$(4.9+5.0)$	-	131.18	
						3288.81 kg	
						3275.00 kg	
						72.78/14	
						23 8387.20	
						Khunmyath 4/5/14	
	Measurement continued on: 18.5.2014						
b)	providing and laying and spreading and compacting graded stone aggregates to wet mix macadam specification including providing the material with water at one in mechanical mix plant camels etc complete						
	1st cross LHS	1	30.00	$(5.2+5.0)$	0.20	30.60	
		1	30.00	$(5.0+4.9)$	0.20	29.70	

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No. B 190182

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
		1	30.00	$(4.9+5.1)$	0.20	30.00	
		1	30.00	$(5.1+5.0)$	0.20	30.20	
		1	15.00	$(5.0+5.2)$	0.20	15.81	
		1	30.00	5.10	0.20	30.60	
		1	30.00	$(5.1+5.0)$	0.20	30.30	
		1	30.00	5.00	0.20	30.00	
		1	30.00	$(5.0+4.9)$	0.20	29.70	
		1	15.00	$(4.9+5.2)$	0.20	15.96	

2nd cross LHS

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	3rd cross LHS	1	30.00	$\frac{5.2+4.9}{2}$	0.20	30.30	
		1	30.00	$\frac{4.9+4.8}{2}$	0.20	29.10	
		1	30.00	$\frac{4.8+5.0}{2}$	0.20	29.60	
		1	30.00	$\frac{5.0+4.9}{2}$	0.20	29.70	
		1	16.10	$\frac{4.9+5.1}{2}$	0.20	16.10	
	4th cross LHS	1	30.00	$\frac{5.2+5.0}{2}$	0.20	30.60	
		1	30.00	$\frac{5.0+5.5}{2}$	0.20	30.00	
		1	30.00	$\frac{5.5+4.8}{2}$	0.20	29.40	
		1	30.00	$\frac{4.8+4.9}{2}$	0.20	29.10	
		1	15.80	$\frac{4.9+5.3}{2}$	0.20	16.06	

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Serial No.
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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
	3rd cross RHS	1	30.00	$\frac{5.1+4.8}{2}$	0.20	29.70	
		1	30.00	$\frac{4.8+5.0}{2}$	0.20	29.40	
		1	30.00	$\frac{5.0+4.9}{2}$	0.20	29.70	
		1	26.30	$\frac{4.9+5.0}{2}$	0.20	26.24	
						657.76 cu	
						655.00 cu	
						1121.04 cu	
						Qty limited to	
						e	
						7,84,281 = m	
						K. Ramani	
						18/5/14	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Measurement continued on 30.5.2014						
	cleaning the existing WBM road surface including removing of binding material and other foreign matter with wire brushes and small picks sweeping with brooms etc complete.						
	1st cross LHS	1	30.00	$\frac{(5.2+5.0)}{2}$	-	153.00	
		1	30.00	$\frac{(5.0+4.9)}{2}$	-	148.50	
		1	30.00	$\frac{(4.9+5.1)}{2}$	-	150.00	
		1	30.00	$\frac{(5.1+5.0)}{2}$	-	151.50	
		1	15.50	$\frac{(5.0+5.2)}{2}$	-	79.05	
	2nd cross LHS	1	30.00	5.60	-	153.00	
		1	30.00	$\frac{(5.1+5.0)}{2}$	-	151.50	

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No. B 190184

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
		1	30.00	5.00	-	150.00	
		1	30.00	$\frac{(5.0+4.9)}{2}$	-	148.50	
		1	15.90	$\frac{(4.9+5.2)}{2}$	-	79.79	
	3rd cross LHS	1	30.00	$\frac{(5.2+4.9)}{2}$	-	151.50	
		1	30.00	$\frac{(4.9+4.8)}{2}$	-	145.50	
		1	30.00	$\frac{(4.8+5.0)}{2}$	-	147.00	
		1	30.00	$\frac{(5.0+4.9)}{2}$	-	148.50	
		1	16.10	$\frac{(4.9+5.1)}{2}$	-	80.50	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	1st cross LHS	1	30.00	(5.2+5.0) 10.2	-	153.00	
		1	30.00	(5.0+5.0) 10.0	-	150.00	
		1	30.00	(5.5+4.8) 10.3	-	147.00	
		1	30.00	(4.8+4.9) 9.65	-	145.50	
		1	15.80	(4.8+5.2) 10.0	-	80.30	
	3rd cross RHS	1	30.00	(5.1+4.8) 9.95	-	148.50	
		1	30.00	(4.8+5.0) 9.9	-	147.00	
		1	30.00	(5.0+4.9) 9.95	-	148.50	
		1	26.50	(4.9+5.0) 9.95	-	131.18	
						3288.818	
						3275.007	36486.00
						610.58/4	

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No. B 190185

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	8) providing and applying primer coat from 12.2 to 14.6 kg per 10 sqm for surfaces of high porosity over prepared surface & granular base with cul back MC-20 or any other bitumen etc complete					Qty vide item No. 07 3275.00 kg e 142.07/21 465,278.00	
	9) providing and laying semi dense bituminous concrete 25 mm thick with 100-120 RPM batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates etc complete						
	1st cross LHS	1	30.00	(5.2+5.0) 10.2	0.025	3.83	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$(5.0+4.9) \div 2$	0.025	3.71	
		1	30.00	$(4.8+5.1) \div 2$	0.025	3.75	
		1	30.00	$(5.1+5.0) \div 2$	0.025	3.79	
		1	15.30	$(5.0+5.2) \div 2$	0.025	1.98	
	2nd cross LHS	1	30.00	5.10	0.025	3.83	
		1	30.00	$(5.1+5.0) \div 2$	0.025	3.79	
		1	30.00	5.00	0.025	3.75	
	5m deep cross road	1	30.00	$(5.0+4.9) \div 2$	0.025	3.71	
		1	15.80	$(4.9+5.2) \div 2$	0.025	1.99	
	3rd cross LHS	1	30.00	$(5.2+4.9) \div 2$	0.025	3.79	
		1	30.00	$(4.9+4.8) \div 2$	0.025	3.64	

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No. B 190186

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
		1	30.00	$(4.8+5.0) \div 2$	0.025	3.68	
		1	30.00	$(5.0+4.9) \div 2$	0.025	3.71	
		1	16.10	$(4.9+5.1) \div 2$	0.025	2.01	
	4th cross LHS	1	30.00	$(5.2+5.0) \div 2$	0.025	3.83	
		1	30.00	$(5.0+5.5) \div 2$	0.025	3.75	
		1	30.00	$(5.0+4.8) \div 2$	0.025	3.68	
		1	30.00	$(4.8+4.9) \div 2$	0.025	3.64	
		1	15.80	$(4.9+5.2) \div 2$	0.025	2.01	

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd cross RHS	1	30.00	$\frac{5.1+4.8}{2}$	0.025	3.71	
		1	30.00	$\frac{4.8+5.0}{2}$	0.025	3.68	
		1	30.00	$\frac{5.0+4.8}{2}$	0.025	3.71	
		1	26.50	$\frac{4.8+5.0}{2}$	0.025	3.28	
						82.22 cu	
						81.88 cu	
						e 9981.36/cu	8,17,274 = 10
10)	load for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete						
						506.83 cu	
						e 72.71/cu	36852 = 10

No. B 190187

Date of commencement of work.....

Date 1	Full description, etc., of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
			Add KRIDL charges @ 11%.				26,77,754 = 10
			Add T P I charges @ 1%.				294,553 = 10
							26,778 = 10
							29,99,085 = 10
							29,71,839 = 00
	<u>Certificate:</u>		Certified that the work done is satisfactory.				
							K. M. M. M. 30/5/14.

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	<u>Sketch showing the location of work done spot:</u> The sketch shows a trench layout with several sections. On the left, a vertical section is labeled 'SWD' at the top and 'SWD' at the bottom. It contains five horizontal bars with the following dimensions: 135.90m, 136.10m, 135.80m, and 135.50m. The top bar is labeled '1st end' and the bottom bar is labeled '2nd end'. To the right of this section is another vertical section labeled 'R.H.S.' at the top and '116.50m' below it. This section also contains two horizontal bars, one labeled '1st end' and the other '2nd end'. The entire layout is enclosed in a rectangular frame with 'SWD' labels at the corners. The text 'Rachanahalli' is written in the center of the sketch.	3	4	5	6	7	8

No. B 190188

Date 1	Full description, etc., of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6	
	Handwritten sketch of a rectangular area with dimensions and a signature. The sketch is drawn with a purple border. Inside, there are several horizontal lines. The dimensions are written in red: 29,71,839 = 00 (with a green arrow pointing to the number 4 column), 44,8091 = 00 (with a green arrow pointing to the number 3 column), and 25,23,748 = 00 (with a green arrow pointing to the number 4 column). A green signature 'J. Krishna Rao' is written across the bottom of the sketch.				IT - 59437 - KJ - 118874 - FS - 193170 - WC - 29218 - CBR - 2922 - Raj - 4320 - Fiz - 800 - <u>448091 = 00</u> (with a green arrow pointing to the number 3 column)	